

SERVICE SOLUTIONS SUCCESS



Country Club Road Street Improvements



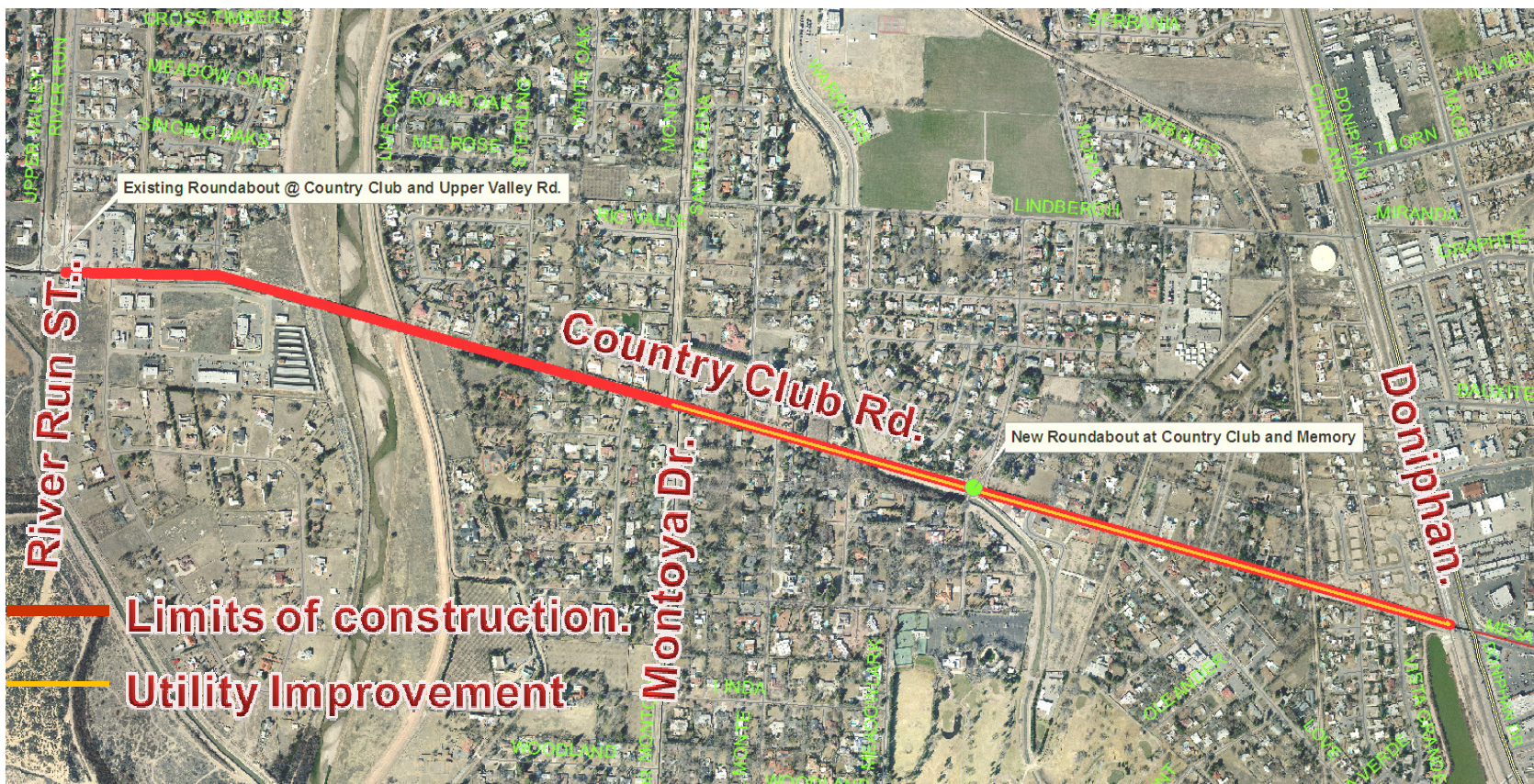
August 22, 2012





Project Limits

The project consists of substantial improvements on Country Club Rd. from Doniphan Rd. to River Run St.



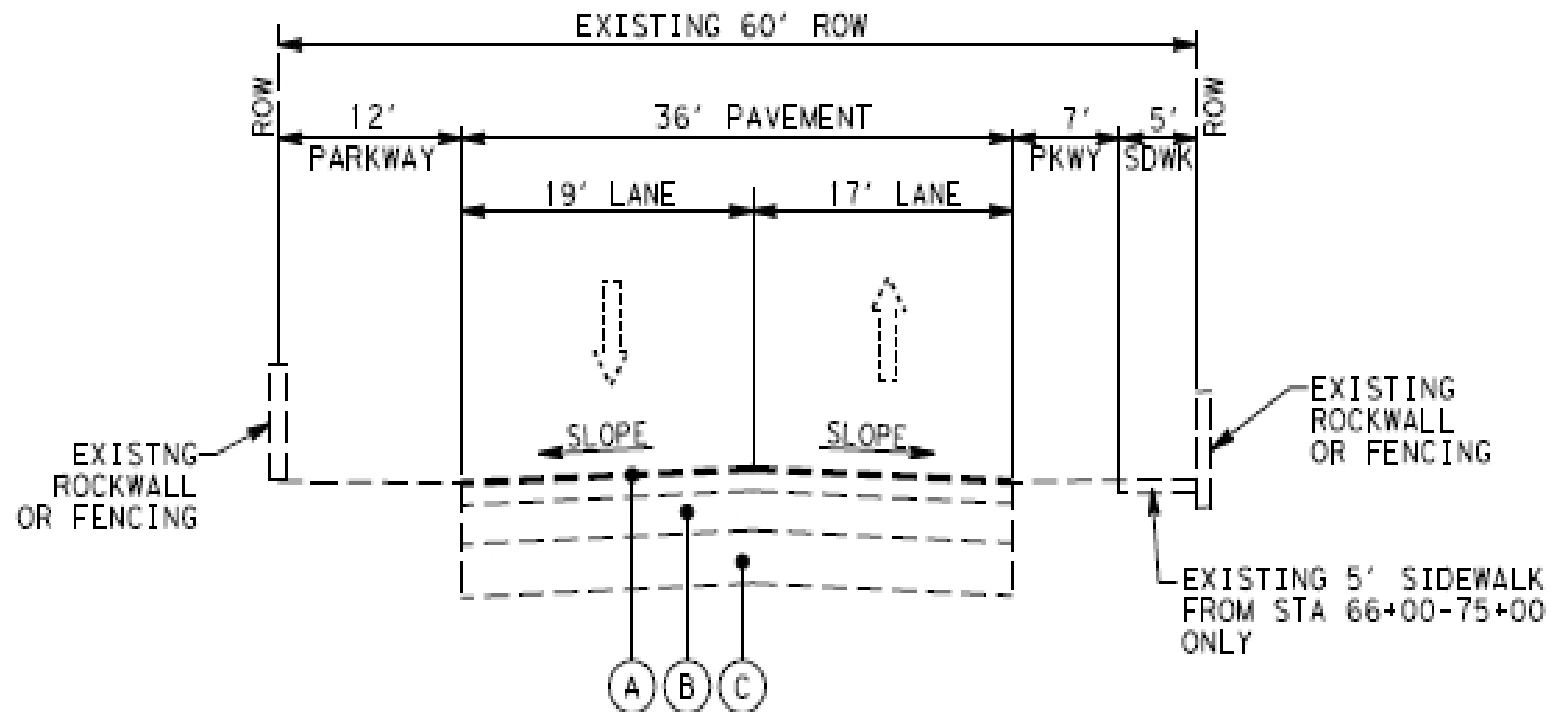


Existing Conditions

- Predominant 60-ft R.O.W. w/pockets of 80-ft and 90-ft ROW
- Two-Way Traffic Corridor
- 36-ft Paved Section
- No sidewalks
- Congested Corridor
- Afternoon Peak Hour
942 veh/hr (eastbound)
1,054 veh/hr (westbound)
- Morning Peak Hour
1,070 veh/hr (eastbound)
723 veh/hr (westbound)
- Approximately 860 thru (81%)
traffic veh/hr (westbound)
- Approximately 706 thru (75%)
traffic veh/hr (eastbound)

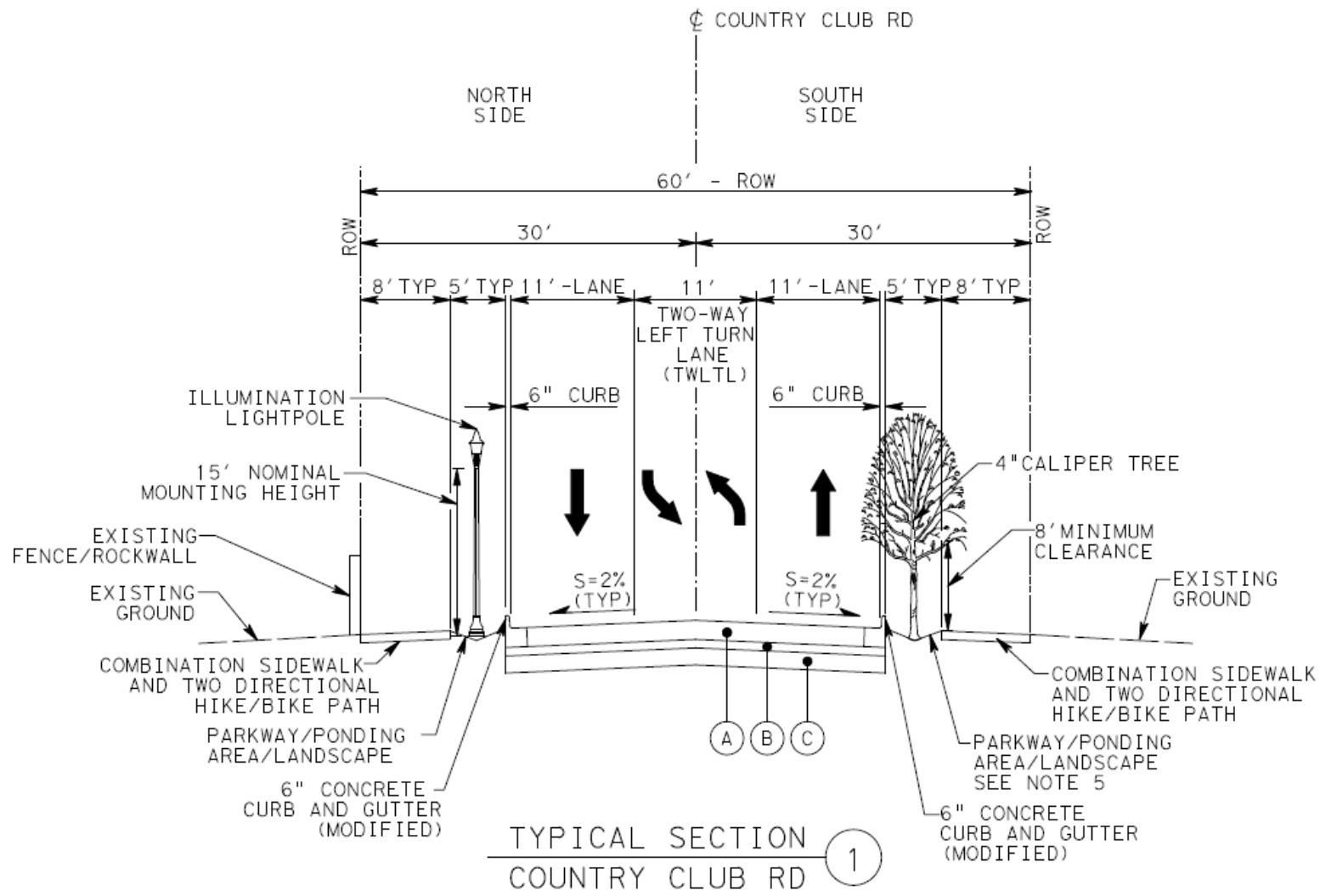


Existing Street Cross Section





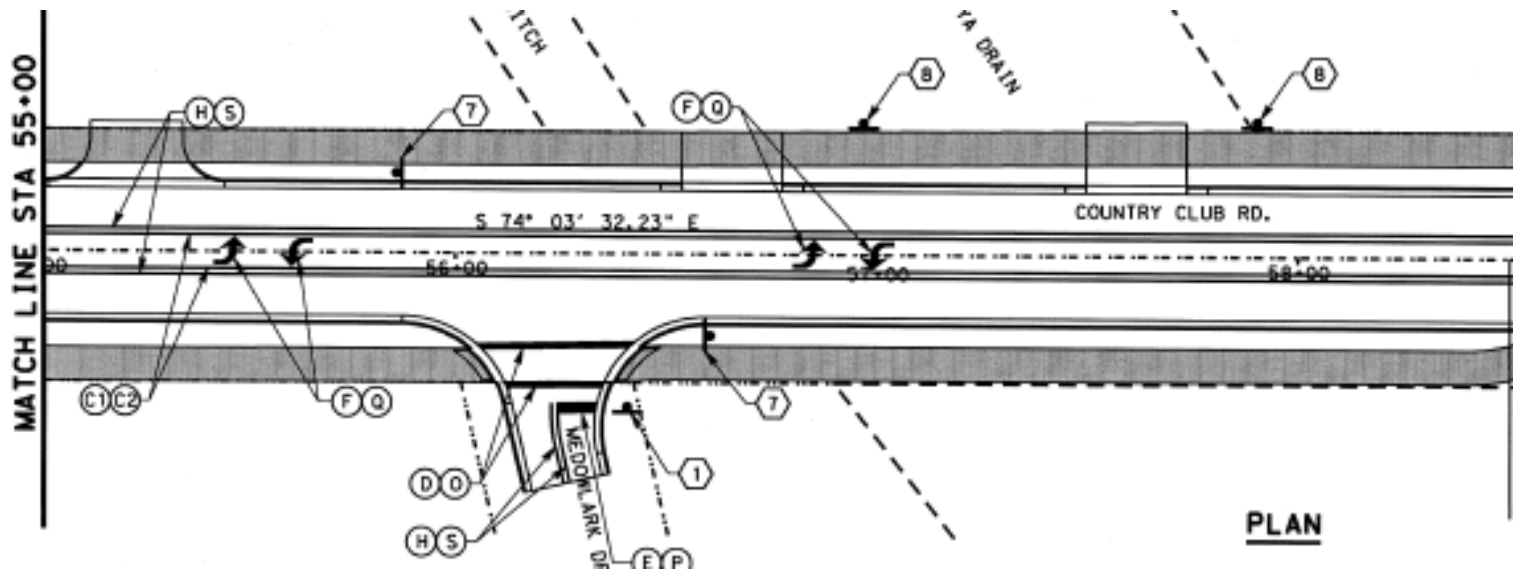
Proposed Street Cross Section





Featured improvements will consist of:

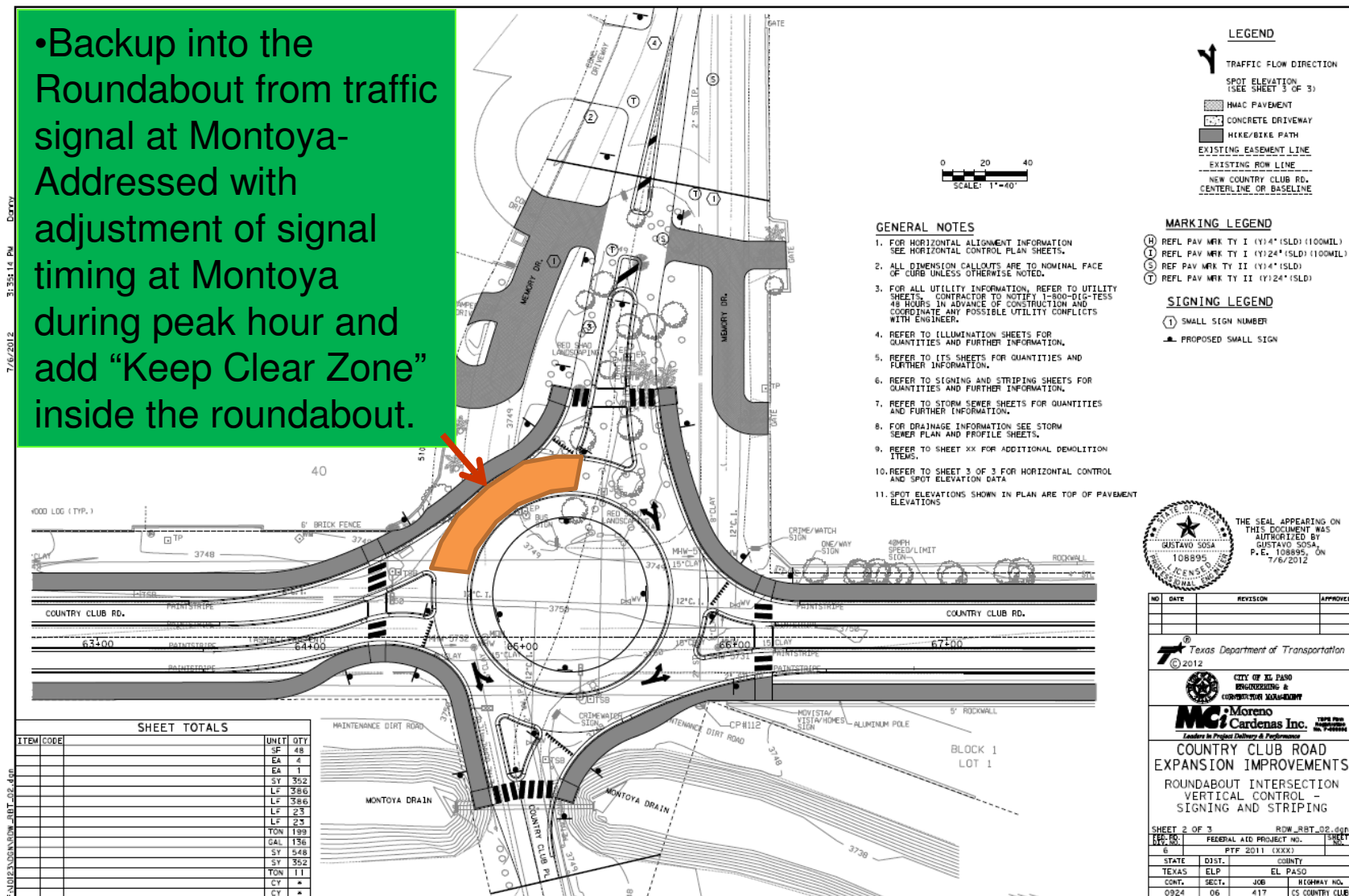
- Roadway improvement with three 11-ft lanes with the center lane as continuous left turn lane.



Proposed Roundabout at Country Club Rd. and Memory Ln.



•Backup into the Roundabout from traffic signal at Montoya- Addressed with adjustment of signal timing at Montoya during peak hour and add "Keep Clear Zone" inside the roundabout.



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY GUSTAVO SOSA, P.E. 108895, ON 7/6/2012

NO	DATE	REVISION	APPROVED

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CITY OF EL PASO
ENGINEERING & CONSTRUCTION AUTHORITY

McCardenas Inc.
Leading in Project Delivery & Performance

**COUNTRY CLUB ROAD
EXPANSION IMPROVEMENTS
ROUNDBOUT INTERSECTION
VERTICAL CONTROL -
SIGNING AND STRIPING**

SHEET 2 OF 3 ROW-RBT-02.dwg
FED. AID PROJECT NO. 6 PTF 2011 (XXX)
STATE DIST. COUNTY
TEXAS ELP EL PASO
CONT. SECT. JOB HIGHWAY NO.
0924 06 417 CS COUNTRY CLUB



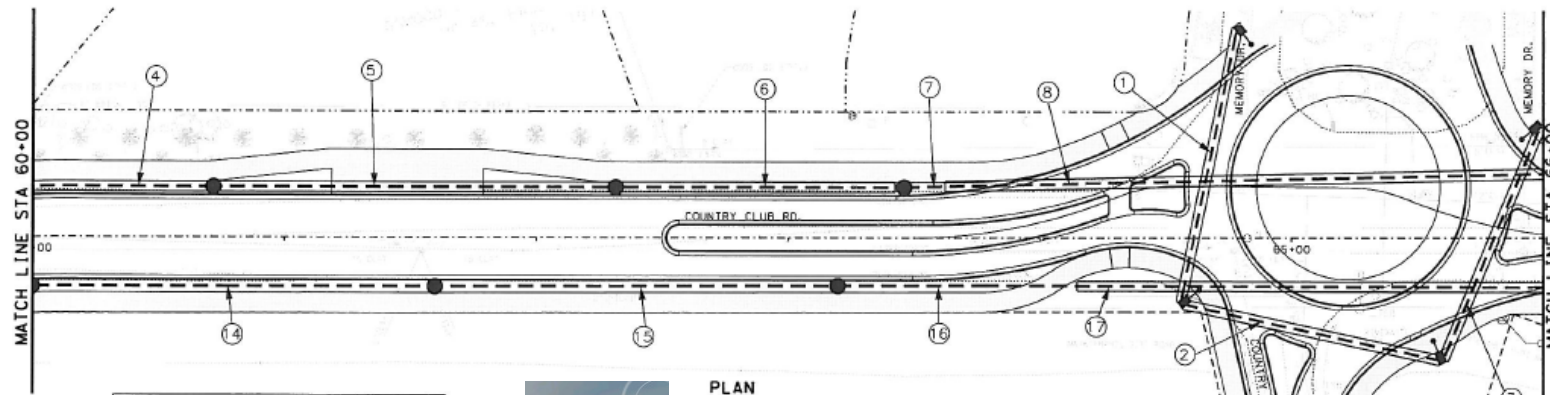
**Country Club Rd
Roundabout**



SERVICE SOLUTIONS SUCCESS



- Pedestrian lighting and safety lighting.



CONDUIT AND CABLE SCHEDULE			
CONDUIT	CABLE		BLK LENGTH
ITEM 918	CONDUIT	1/2" MIN 1/2" ELECTRICAL CONDUIT	

PLAN





- New ADA compliant 8-foot wide combined pedestrian and bike path, curb and gutter and driveways





- Landscaping Improvement.



*Country Club Road
Street Improvements*



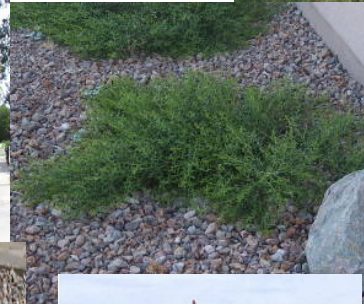


Plant Materials

PLANT SCHEDULE

TREES SHALL BE INSTALLED
AS PER DETAILS ON SHEET LP-501

SYMBOL	COMMON NAME
	LACEBARK ELM
	TRIUMPH ELM
	COTTONWOOD
	RAYWOOD ASH
	TEXAS MOUNTAIN LAUREL
	DWARF COYOTE BUSH
	PURPLE FOUNTAIN GRASS
	DWARF SALMON OLEANDER
	RED YUCCA
	PADRE CANYON BOULDERS





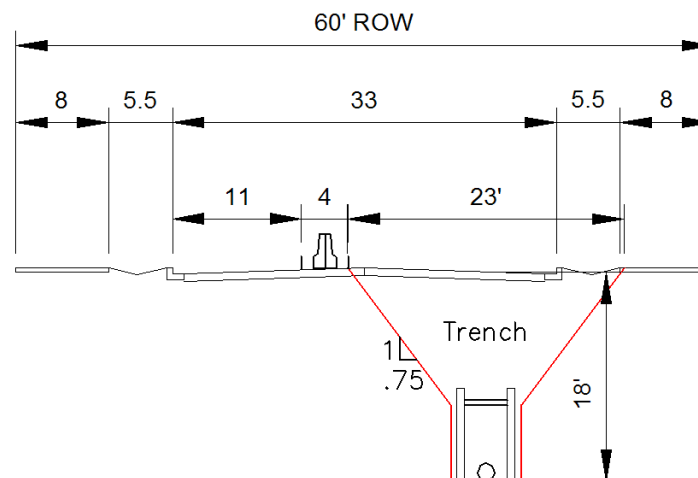
Summary of Plant Materials

Plant /Tree	Quantity
Lace Bark Elm	71
Triumph Elm	146
Cottonwood	92
Raywood Ash	152
Texas Mountain Laurel	23
Dwarf Coyote Bush	1864
Purple Fountain Grass	1015
Dwarf Salmon Oleander	52
Red Yucca	205
Total Trees to be added	484
Total shrubs to be added	3136
Trees to be removed	33
Shrubs to be removed	19



Utility Improvements

- Installation of fiber optic lines for traffic signal communication.
- Texas Gas Replacement of existing gas line.
- El Paso Water Utilities will replace the existing sanitary sewer mainline and water mainline along Country Club, from Doniphan Rd. to Montoya Drive.
- El Paso Electric will poles and facilities that are in conflict.
- Verified with EPEC that the overhead lines cannot be put underground.





Traffic Control Plan (TCP) Analysis

- 3- options were evaluated
- 3- traffic engineering consultants were hired to evaluate the proposed TCP. Below are the evaluation factors.
 - Temporary Pavement and/or Pavement Overlay
 - Pavement Quality
 - Worker & Public Safety
 - Storage of Excavated Material (Spoils)
 - Work Space
 - Construction Timeframe
 - Intersection /Roundabout Construction
 - Water & Sewer Service Connections
 - Detours
 - Mobility (Thru Traffic)
 - Resident Inconvenience
 - Circulation (Local Traffic)
- 2 contractors were also consulted.



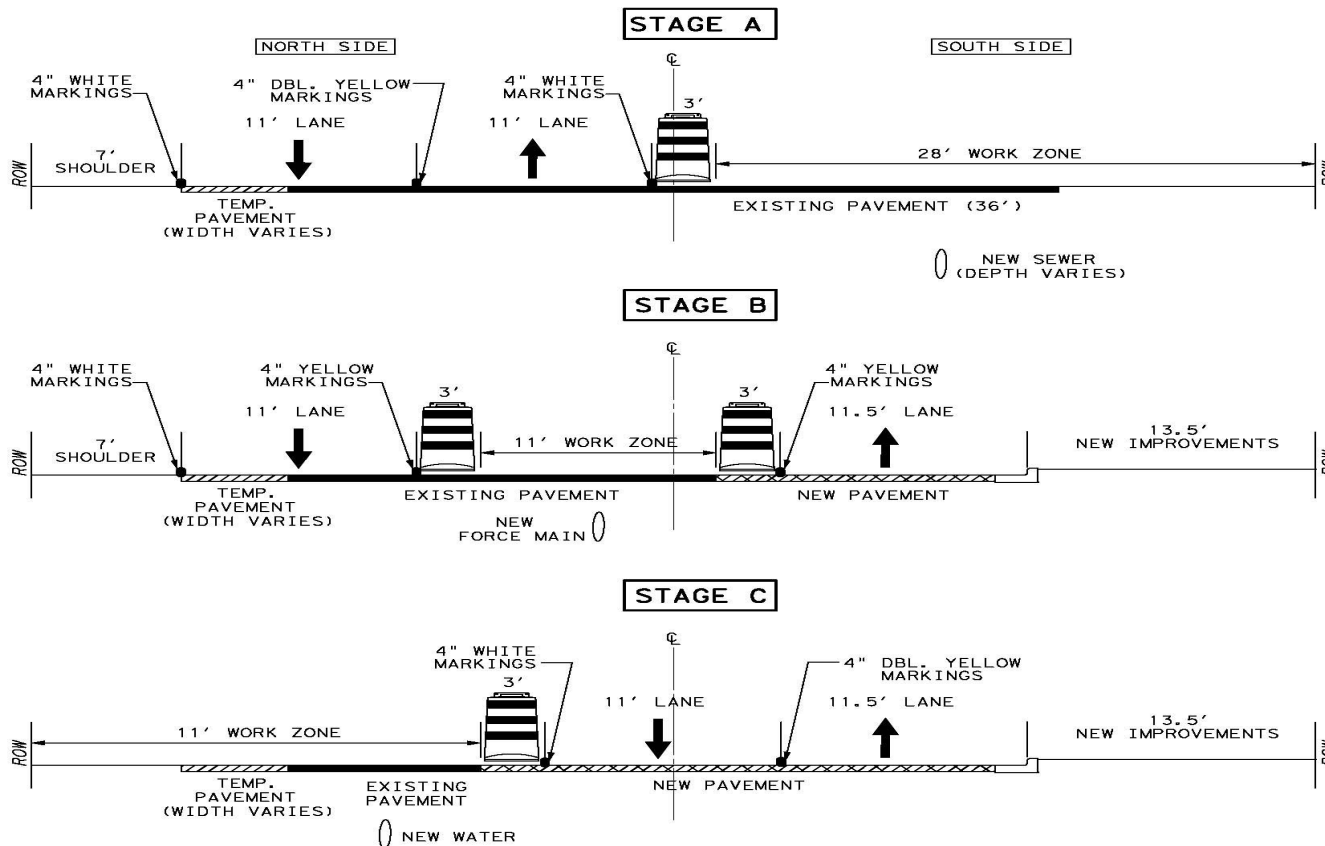
OPTION 1 THRU TRAFFIC

(Three Stage Option)

Maintains Continuous 2-Way Traffic

Minimum Detours Required

Not possible where sewer pipe is deep

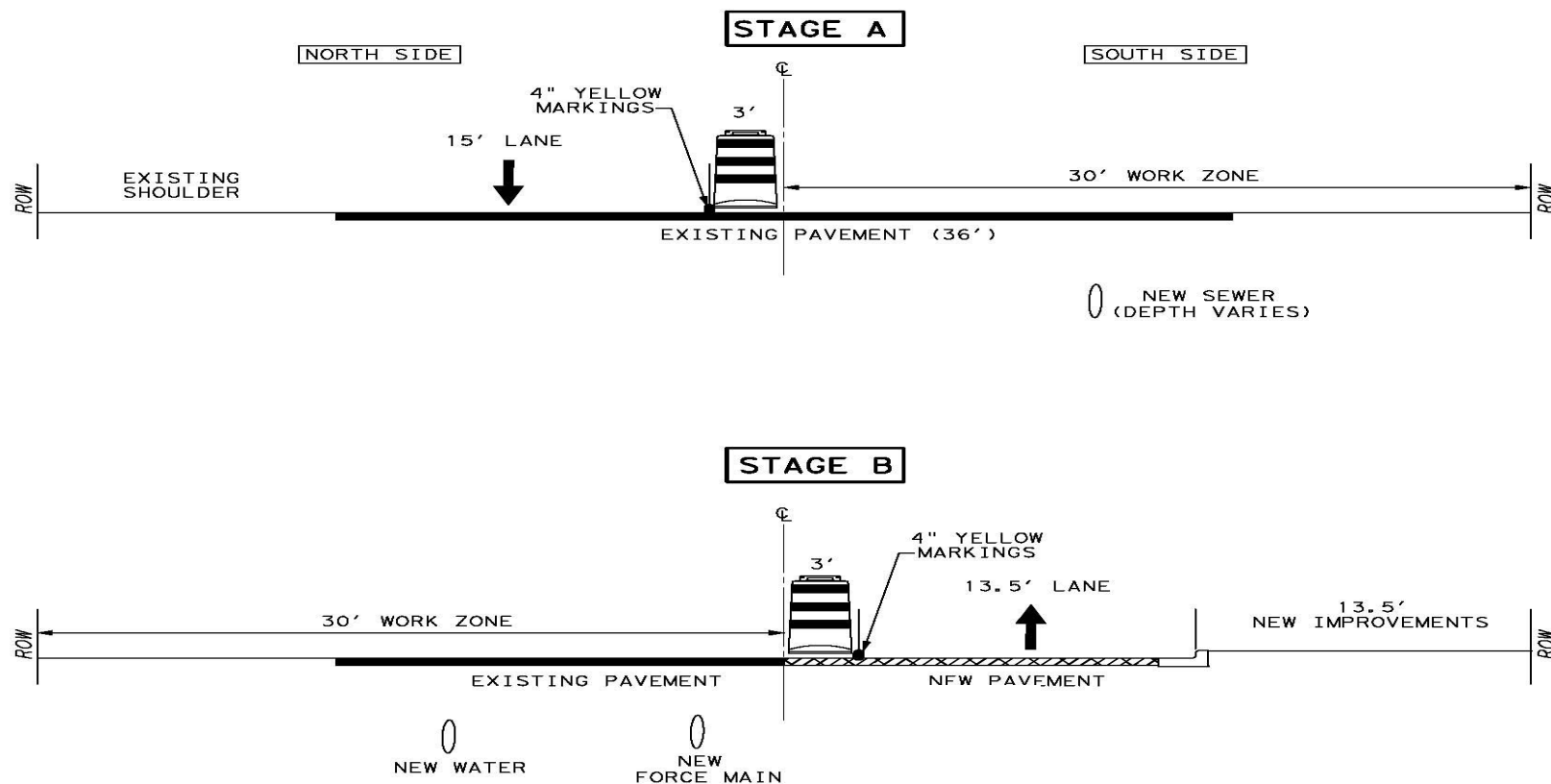




OPTION 2 - (2A) NO THRU TRAFFIC

(Two Stage Option)

Maintain One Directional Flow
Local Traffic Only, Detours Required

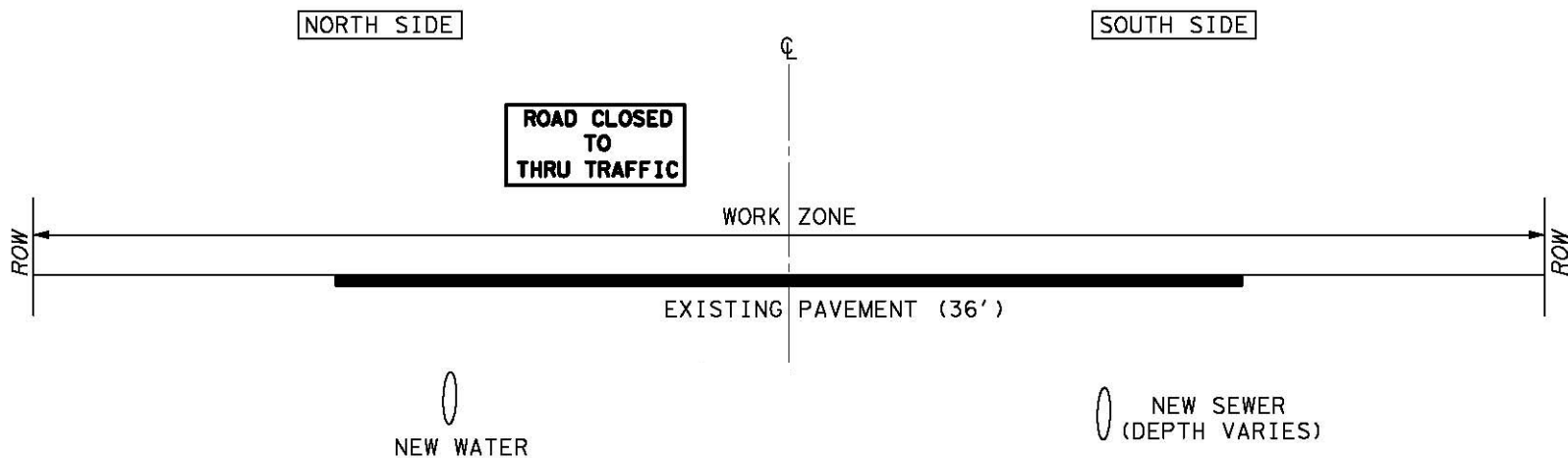




OPTION 2 – (2B) NO THRU TRAFFIC

Complete Roadway Closure (recommended option)

- Maintains access to Properties in Construction Area/Zone
- Local traffic only





Decision Matrix

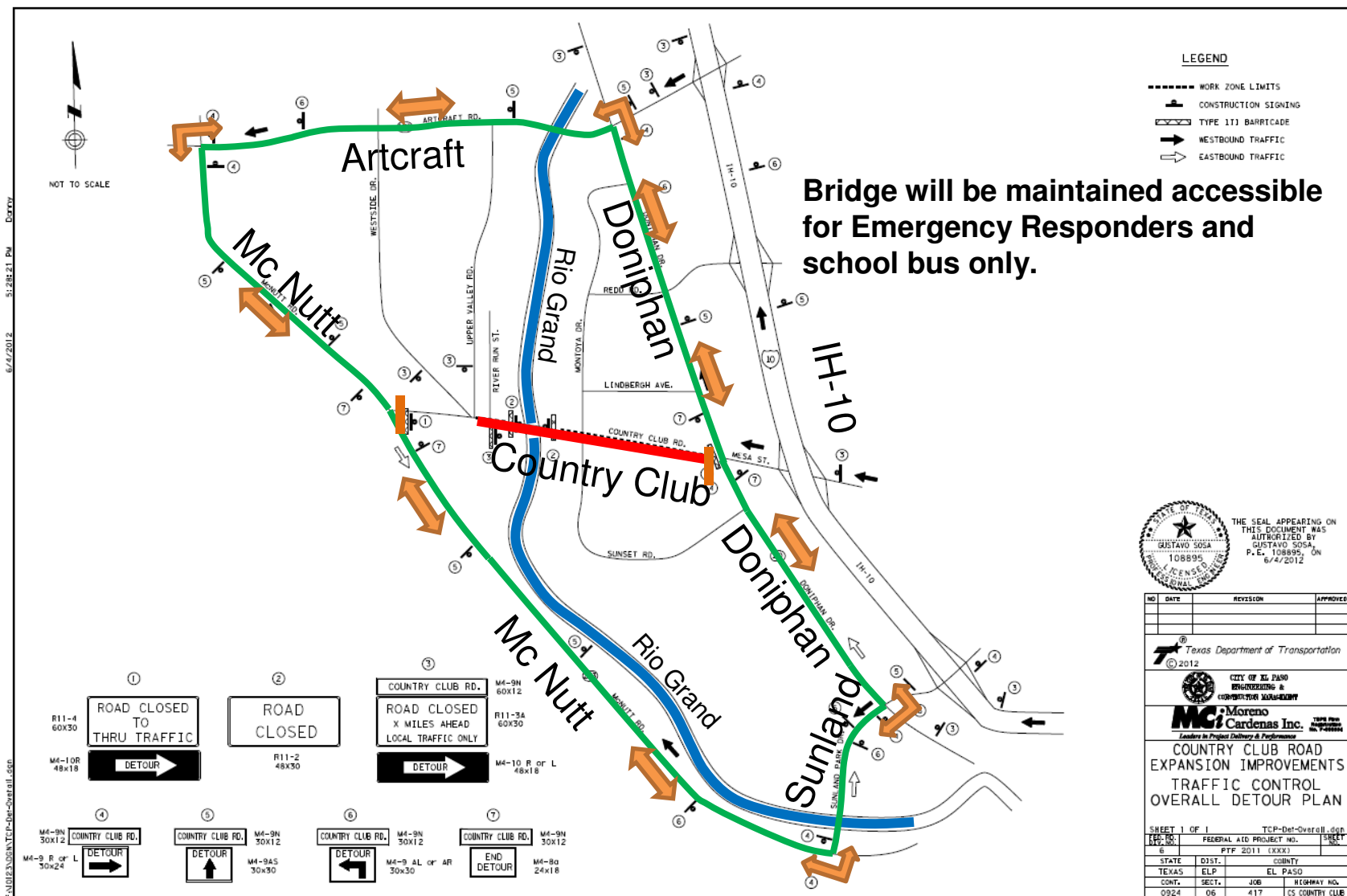
	Positive	Neutral	Negative
	OPTION 1	OPTION 2	
Evaluation Factors	A	A	B
Temporary Pavement	Required	Maybe Required	Maybe Required
Pavement Quality	Compromised	No Impact	Better Quality
Worker & Public Safety	Compromised	Safer Work Zone	Safest Work Zone
Storage of Excavated Matl. (Spoils)	Removal Req'd.	Stored on site	Stored on site
Work Space	Limited/Confined	More Room	Not limited
Timeframe	Longer	Faster Timeframe	Faster Timeframe
Intersection & Roundabout Construction	Excluded	Mitigated Impact	Included
Water & Sewer Service Lateral Connections	Excluded	Night Time Work	Minimize Night Work
Detours	No Detours Req'd.	Detours Required	Detours Required
Mobility (Thru Traffic)	Impaired	None	None
Resident Inconvenience	High	Moderate	Low
Circulation (Local Traffic)	Impaired	Maintained	Affected
Business access	affected	affected	affected



Traffic Control Plan (TCP) Recommendation

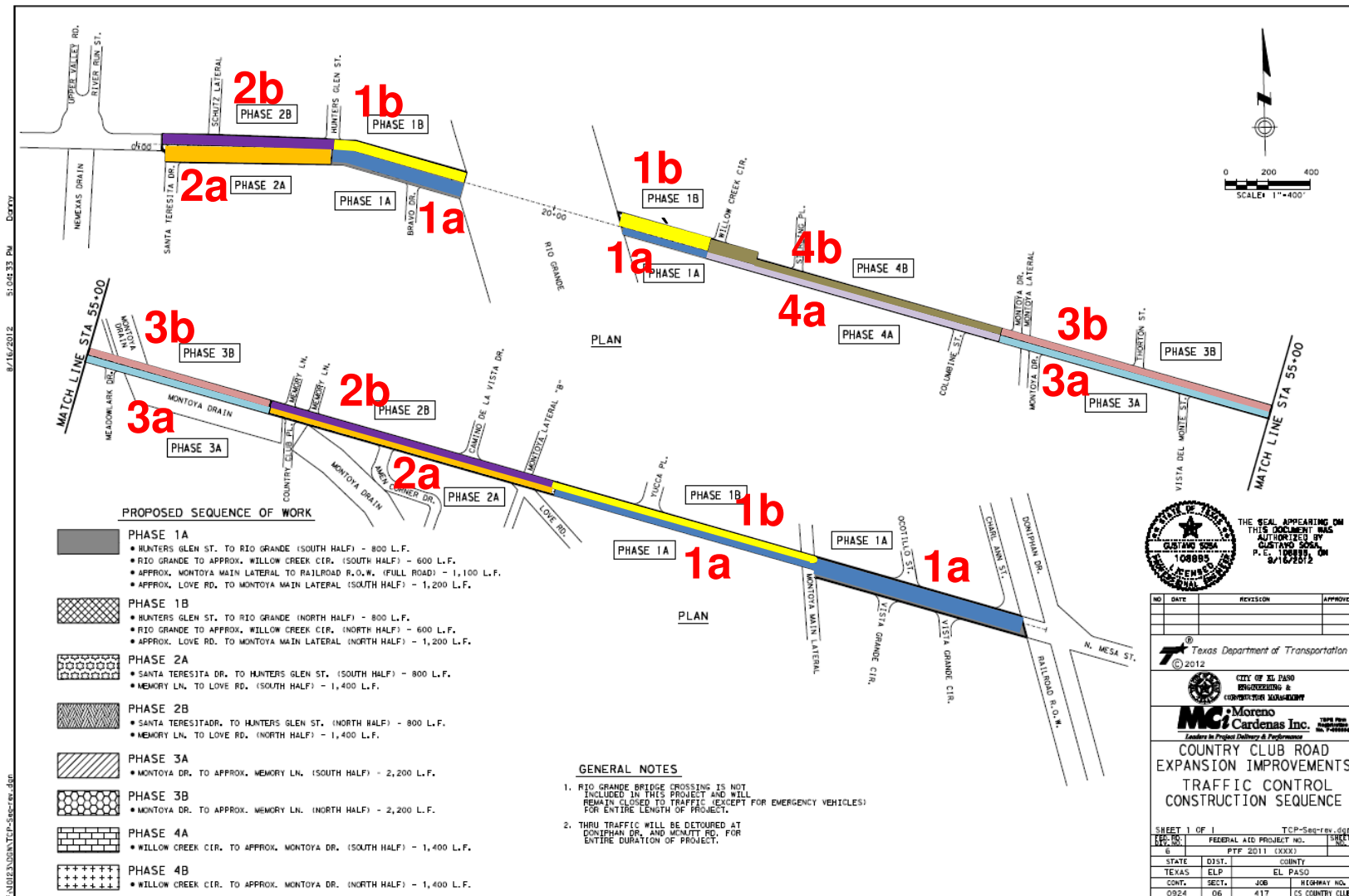
- It is recommended to close Country Club Road to through traffic but maintain access for emergency responders and school busses via gated access.
- City is coordinating with EPISD to add school busses to service students living West of the bridge.
 - Parents have the option to drop off kids at the current EPISD pick up points to ride the school bus or drive their kids to school taking the detour route.
- Closure scheduled for August 2013

Bridge will be maintained accessible for Emergency Responders and school bus only.





Project Phasing





Phase 1 Local Detour



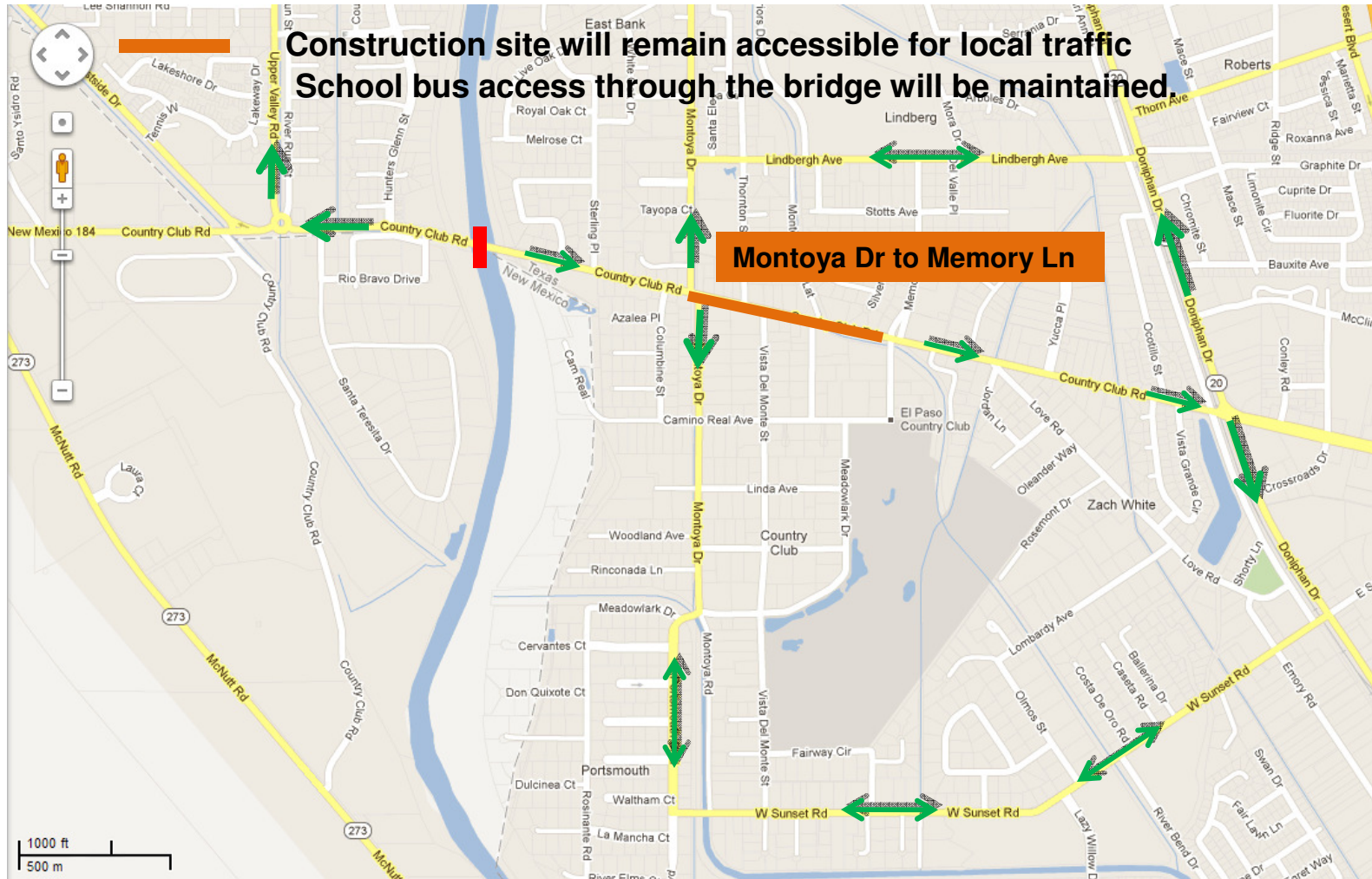


Phase 2 Local Detour



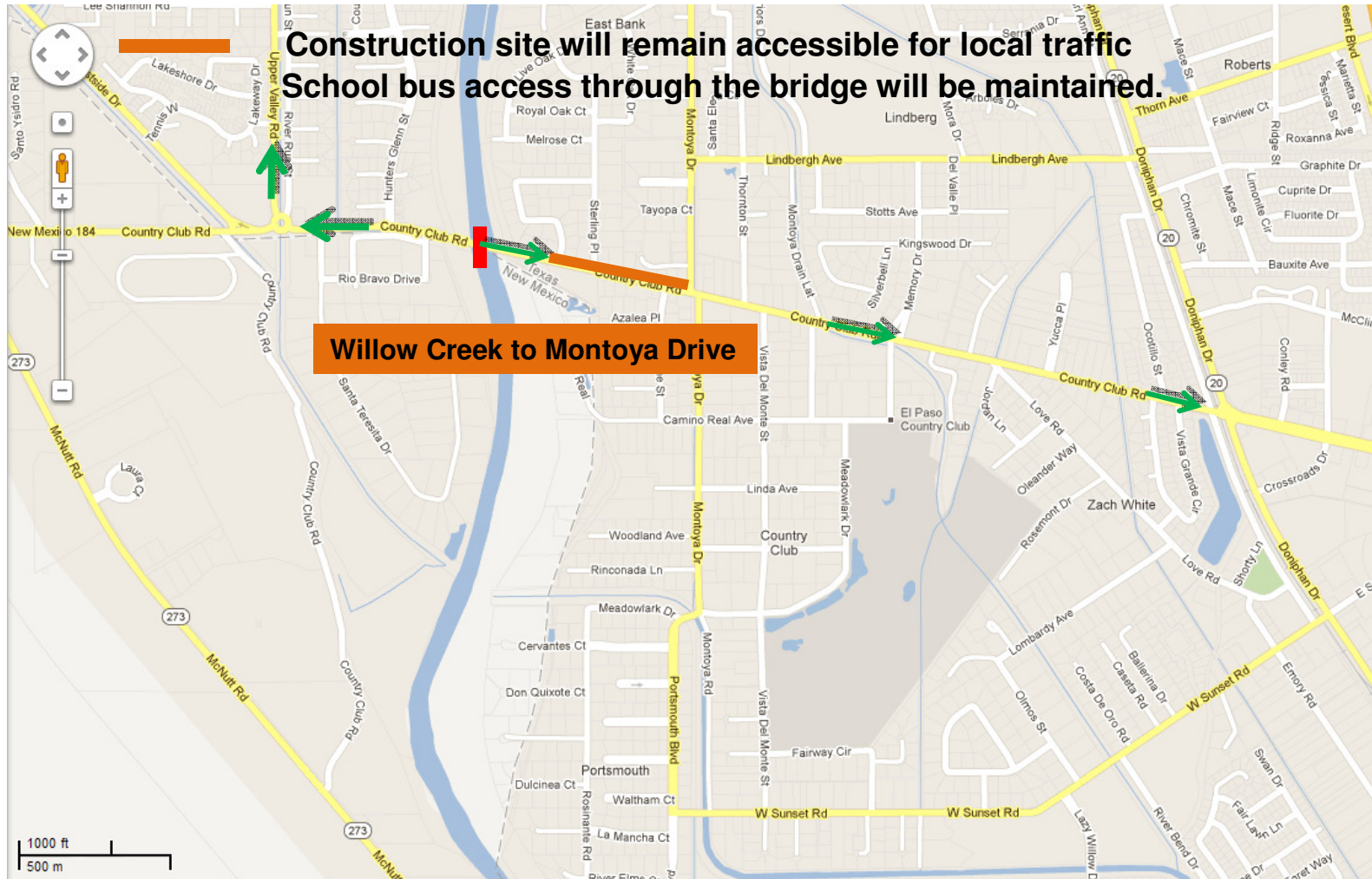


Phase 3 Local Detour





Phase 4 Local Detour





Proposed Future Improvements

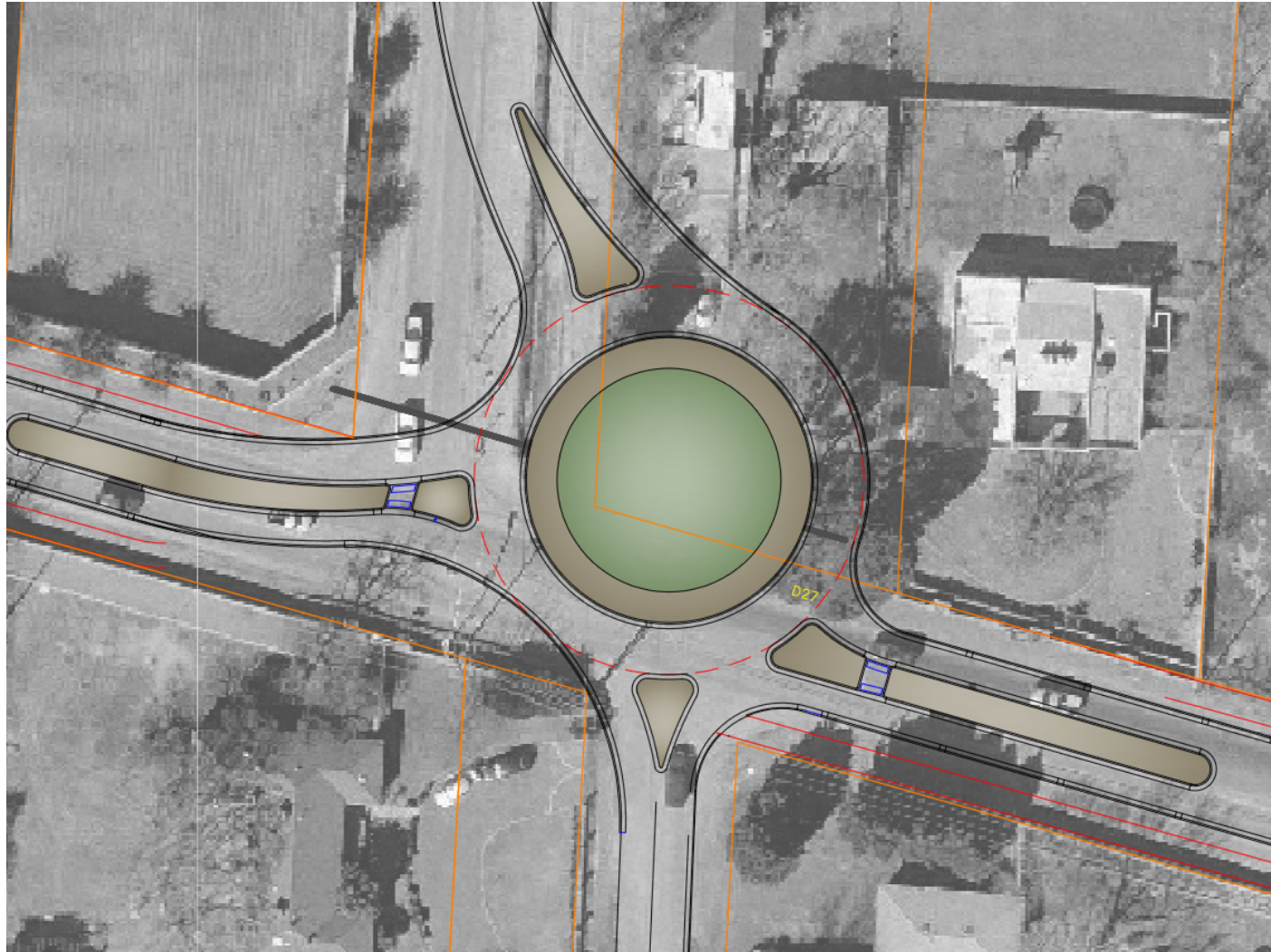
- Roundabout at Montoya Dr and Country Club
- Roundabout at Love Road and Country Club
- Dedicated right turn lane from Country Club going South on Doniphan.

The listed improvements were left out of the current project because of the following reasons:

- Adding the right of way acquisitions necessary will extend the environmental clearance process via modifications to the environmental document required.
- Extending the period for environmental clearance will not allow us to use the federal funding currently allocated for the project due to its spending deadlines.
- The City made a commitment that no private property would be acquired as part of the first round of projects tied to the implementation of the Upper Valley Traffic Plan adopted in 2009.

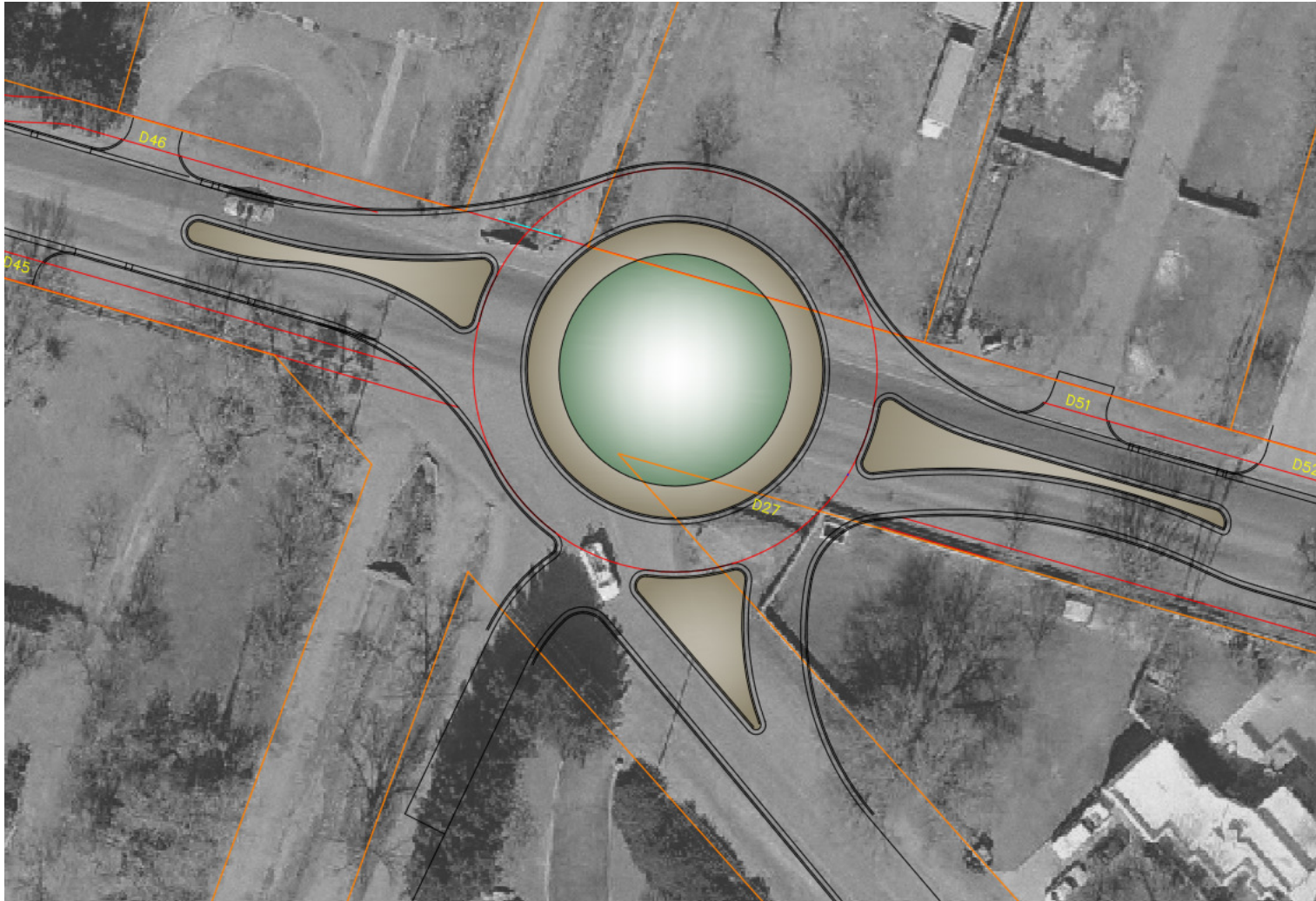


Country Club Rd and Montoya Rd Roundabout



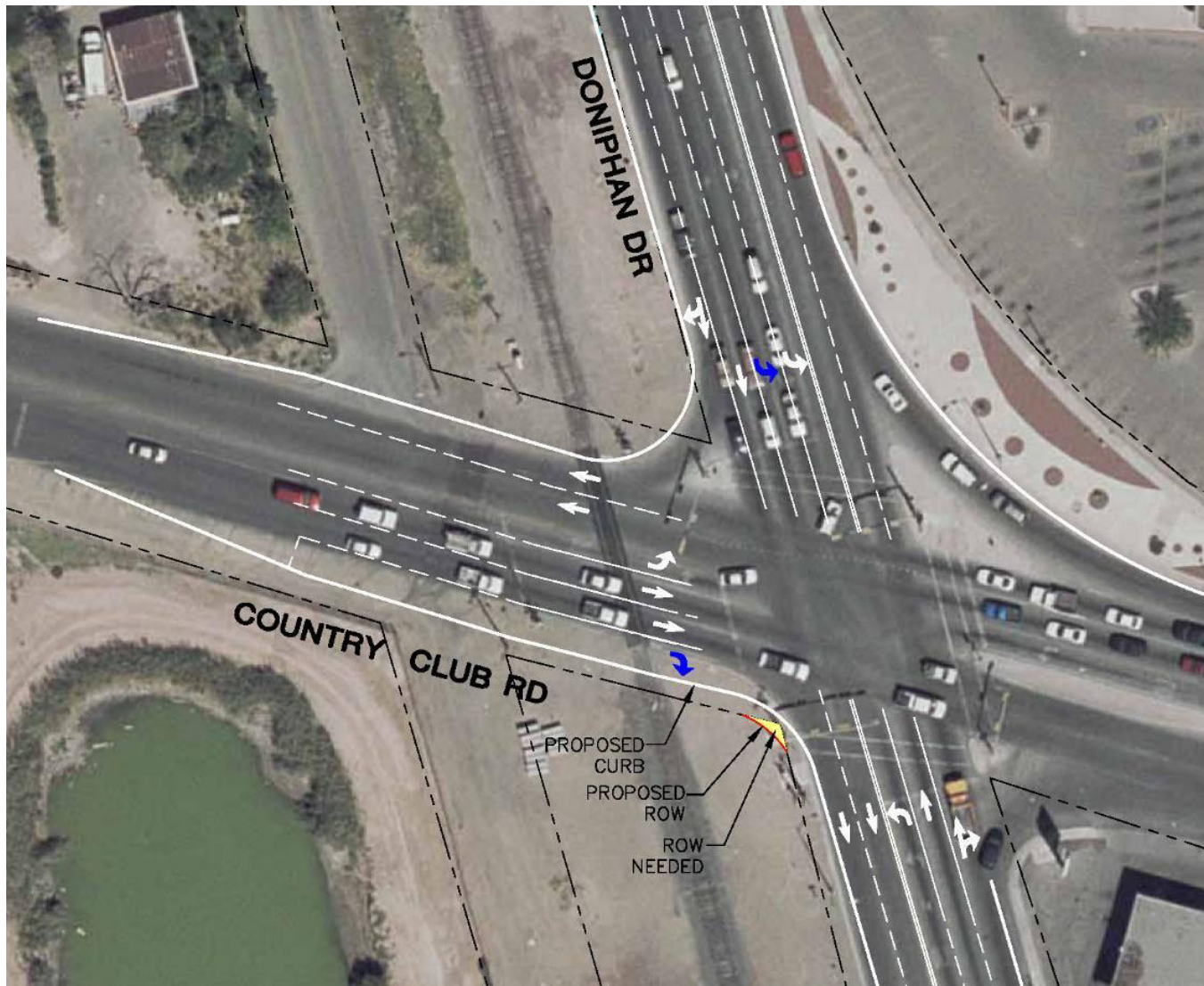


Country Club Rd and Love Rd Roundabout





Addition of Right Turn Lanes At Country Club





Current Project Schedule

- Public hearing is scheduled on October 8, 2012.
- Bidding is scheduled for May 2013.
- Estimated start of construction is August 2013.
- Estimated duration of construction is 18 months
- Project completion around December 2014.



Questions/Comments

For more information please contact the project manager:

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espineliga@elpasotexas.gov

Presentation:

www.elpasotexas.gov/engineering

Under Key Information